



OPTICAL PICKUP UNIT ASSEMBLY PROCESS

Erik J. Zimmer
Bernard W. Bell
Ian R. Redmond

ABSTRACT OF THE DISCLOSURE

Disclosed is a method for attaching components of an optical head. In one embodiment, a substrate and a light source assembly are positioned adjacent to each other. The light source assembly is configured to generate light for reading or writing data to an optical data storage media. The light source assembly includes a first and second alignment marks, and the substrate includes first and second alignment marks. The position of the light source assembly is adjusted with respect to the substrate until a line extending between the first and second alignment marks of the light source assembly is substantially parallel to a line extending between the first and second alignment marks of the substrate. Thereafter, a rigid connection is created between the light source assembly and the substrate.